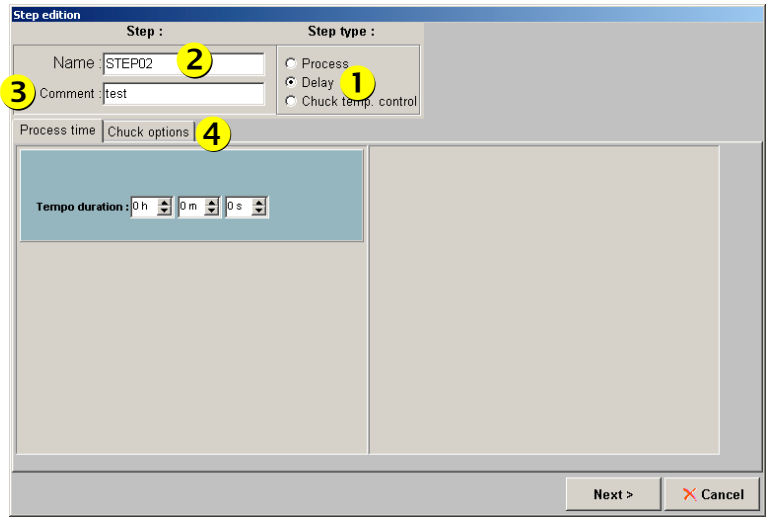
The “Delay” step edition window

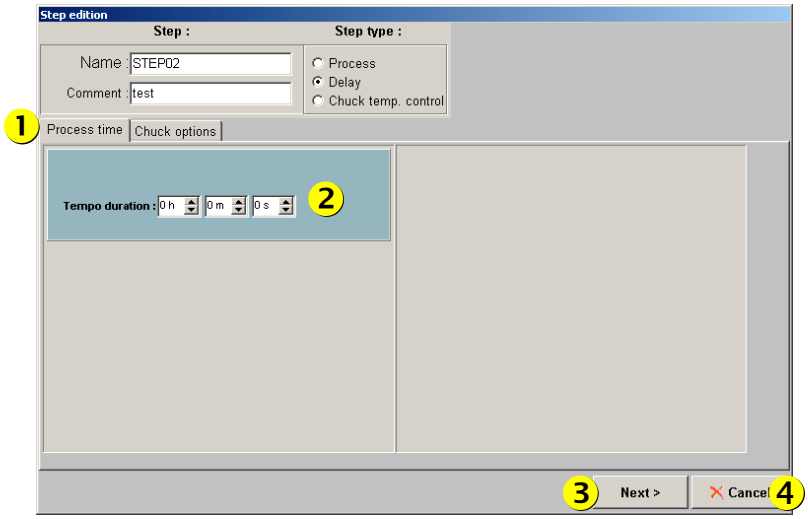
The same screen is used for process library and cleaning library. But, depending on this library, some parameters are disabled.



Item	Designation	Signification	
1	Step type	The step to be created is a “**Delay**” step.	
2	Step name	Name of the step to be created. This field must be filled.	
3	Comment	Description of the step to be created.	
4	Tabs	Two tabs let you set the different parameters of an elementary step:	
		Process time	Settings of the different times sequencing a step.
		Chuck options	Chuck parameter settings.

The “Delay” step edition window

1 - The “Process time” tab

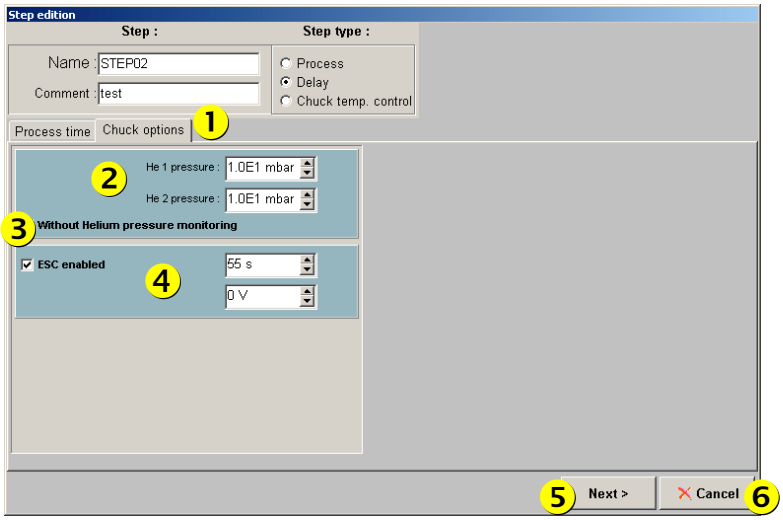


Item	Designation	Signification
1	Process time	Access to the process time parameter settings.
2	Tempo duration	Delay period at the end of which the step is stopped. Maximum delay period is 9 h 00 min 00 s.
3	Next>	Access to the “**Parameter report**” control window.
4	Cancel	Cancels the creation of the step.

The “Delay” step edition window

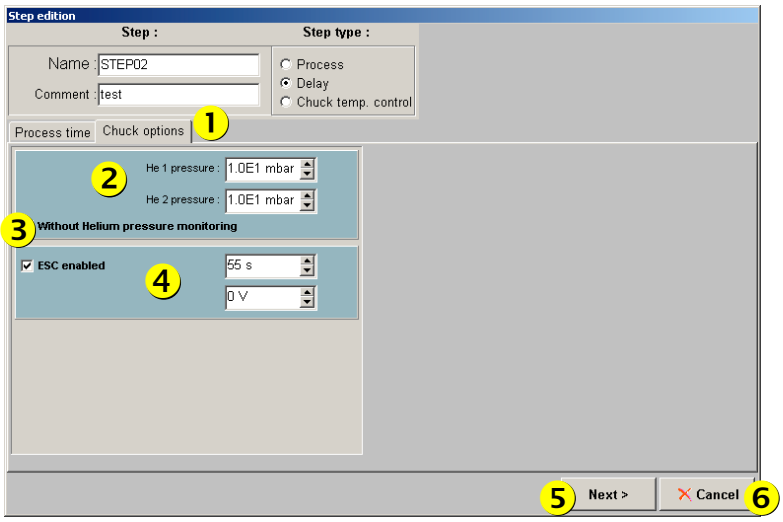
2 - The “Chuck options” tab

2-1 “**Process Library**”



Item	Designation	Signification
1	Chuck options	Access to the chuck parameter settings.
2	Helium 1 pressure Helium 2 pressure	Adjustment of the helium pressure under the wafer **during the step**. He pressure is used to ensure the thermal exchange between the chuck and the wafer. One or two helium channels may be installed on the machine, depending on its configuration: ▪ **He 1 pressure** is the helium pressure at the center of the chuck (always present). ▪ **He 2 pressure** is the helium pressure on the circumference of the chuck.
3	Without Helium pressure monitoring	If this option is unchecked, the helium pressure is monitored and a fault will be triggered if the required pressure is not reached. If you check this option, the helium pressure is no longer monitored.

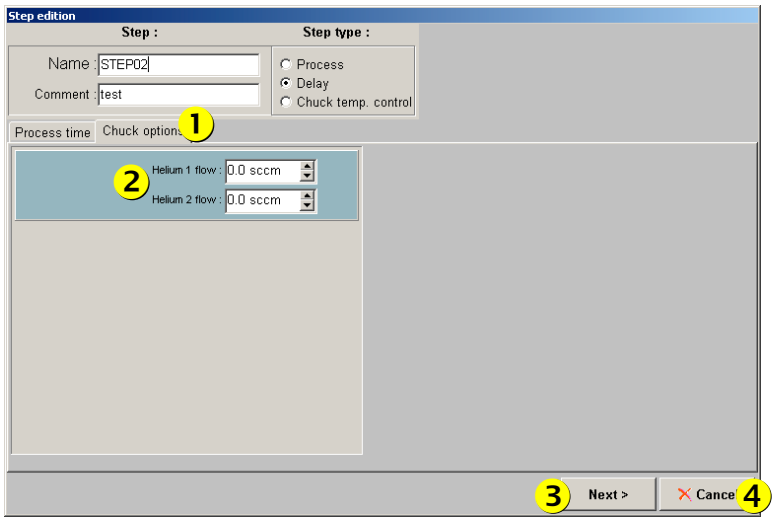
The “Delay” step edition window



Item	Designation	Signification
4	ESC enabled ESC time ESC voltage	Check this option to switch on the ESC power supplies **during the step** (**option available only for an ESC chuck**). If you check this option, you have to adjust the ESC alternation time and the ESC power supplies voltage parameters applied **during the step**. Whenever this time has elapsed, the power supply polarity is inverted on the ESC chuck. **Notes**: ■ if ESC alternation time is set to zero seconds, the power supply polarity will not be inverted. ■ the “**ESC voltage**” parameter is available only if the “**Analog command of electro-static chuck**” has been selected in the System presets.
5	Next>	Access to the “**Parameter report**” control window.
6	Cancel	Cancels the creation of the step.

The “Delay” step edition window

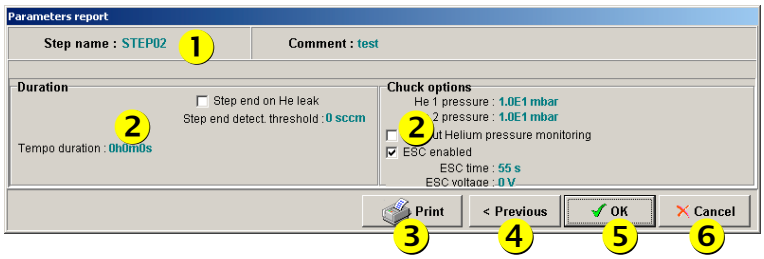
2-2 “**Cleaning Library**”



Item	Designation	Signification
1	Chuck options	Access to the chuck parameter settings.
2	Helium 1 flow Helium 2 flow	Adjustment of the required helium flow **during a cleaning step**. Injecting a helium flow allows to avoid a too low pressure inside the chuck. One or two helium channels may be installed on the machine, depending on its configuration: ▪ **Helium 1 flow** is the helium flow at the center of the chuck (always present). ▪ **Helium 2 flow** is the helium flow on the circumference of the chuck.
3	Next>	Access to the “**Parameter report**” control window.
4	Cancel	Cancels the creation of the step.

The “Delay” step edition window

3 - The “Parameter report” control window



Item	Designation	Signification
1	Step name	Name of the selected elementary step.
2	Parameter area	Displays all parameters of the selected elementary step
3	Print	Prints the step parameters.
4	Previous	Returns to the “**Step Edition**” window. So, you can modify one or several parameters if needed.
5	OK	Saves the new step in the appropriate step library (process or cleaning).
6	Cancel	Cancels the step creation/modification.